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CLAIM LISTING

The following is a list of the currently pending claims:

1. (Original) A modified oilseed material comprising at least about 85 wt. % (dsb) protein; wherein at least about 40 wt. % of the protein has an apparent molecular weight of greater than 300 kDa; and the modified oilseed material has a gel breaking strength of at least 0.50 N.

- 2. (Original) A modified oilseed material comprising at least about 85 wt.% (dsb) protein; wherein the modified oilseed material has an MW₅₀ of at least about 200 kDa; and the modified oilseed material has a dispersion viscosity of at least about 0.5 Nsm⁻².
- 3. (Original) A modified oilseed material comprising at least about 85 wt.% (dsb) protein; wherein the modified oilseed material has an MW₅₀ of at least about 200 kDa; and the modified oilseed material has an ESI of no more than about 70 mm.
- 4. (Original) A modified oilseed material comprising at least-about 85 wt.% (dsb) protein; wherein the modified oilseed material has an MW_{50} of at least about 200 kDa; and a gel breaking strength of at least 0.50 N.
- 5. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material has a gel breaking strength of at least 0.60 N.
- 6. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material has a dispersion viscosity of at least about 0.4 Nsm⁻².
- 7. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material has an ESI of no more than about 60 mm.

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8. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material has an NSI of at least 80.

- 9. (Original) The modified oilseed material of claim 4 wherein at least about 40 wt.% of the protein has an apparent molecular weight of greater than 300 kDa.
- 10. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material has a bacterial load of no more than 50,000 cfu/g.
- 11. (Original) The modified oilseed material of claim 4 comprising a flavor component content including no more than about 500 ppb benzaldehyde; no more than about 2500 ppb 2-pentyl furan; no more than about 600 ppb 2-heptanone; and no more than about 200 ppb E,E-2,4-decadienal.
- 12. (Original) The modified oilseed material of claim 4 comprising a flavor component content which includes no more than about 350 ppb benzaldehyde; no more than about 450 ppb 2-heptanone; no more than about 1 50 ppb E,E-2,4-decadienal; and no more than about 50 ppb E,E-2,4-nonadienal.
- 13. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material comprises modified soybean material.
- 14. (Original) The modified oilseed material of claim 4 wherein the modified oilseed material comprises at least about 90 wt.% (dsb) protein.
- 15. (Withdrawn) A method for producing a modified oilseed material comprising the steps of:
 - (1) extracting oilseed material with an aqueous solution to form an oilseed extract;
- (2) passing the extract through a filtration system including a microporous membrane to produce a first permeate and a protein-enriched retentate;

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(3) heating the retentate at a pH of about 7.1 to 7.8 to a temperature of about 200-250°F for sufficient time to form a pasteurized modified oilseed material.

- 16. (Withdrawn) The method of claim 15 further comprising drying the pasteurized modified oilseed material.
- 17. (Withdrawn) The method of claim 16 wherein drying the pasteurized modified oilseed material comprises drying a pasteurized modified oilseed material having a pH of about 7.0 to 8.0.
- 18. (Withdrawn) The method of claim 15 wherein heating the retentate comprises heating the retentate at a pH of about 7.2 to 7.5.
- 19. (Withdrawn) The method of claim 15 wherein heating the retentate comprises heating the retentate for about 2 to 30 seconds.
- 20. (Original) A modified oilseed material produced by a process which includes extracting oilseed material with an aqueous solution to form an oilseed extract; passing the extract through a filtration system including a microporous membrane to produce a permeate and a protein-enriched retentate; heating the protein-enriched retentate to a temperature of about 200-250°F at a pH of about 7.1 to 7.8 for a sufficient time to form a pasteurized retentate; and spray drying the pasteurized retentate.
- 21. (Withdrawn) A method for producing a modified oilseed material comprising: extracting oilseed material with an aqueous solution to form a suspension of particulate matter in an oilseed extract;

passing the extract through a filtration system including a microporous membrane to produce a first permeate and a protein-enriched retentate, wherein the micro porous membrane has an MWCO of at least 25,000 and a filtering surface with a contact angle of no more than 30 degrees;

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heating- the protein-enriched retentate at a pH of about 7.1 to 7.8 for sufficient time to form a pasteurized retentate; and

drying the pasteurized retentate to form the modified oilseed material.

22. (Withdrawn) The method of claim 21 further comprising:

diafiltering the protein-enriched retentate through the filtration system to produce a diafiltration retentate and a diafiltration permeate, wherein the diafiltration retentate includes protein-enriched dissolved solids;

combining the first permeate and the diafiltration permeate to form a combined permeate; and

separating the combined permeate with a reverse osmosis membrane into an RO retentate and an RO permeate.

- 23. (Withdrawn) The method of claim 21 wherein heating the protein-enriched retentate is heated to about 200-2500F.
- 24. (Withdrawn) The method of claim 21 wherein drying the pasteurized retentate comprises drying a pasteurized retentate having a pH of about 7.1 to 7.8.
- 25. (Withdrawn) The method of claim 21 wherein heating the protein-enriched retentate comprises heating the protein-enriched retentate at a pH of about 7.2 to 7.5 for sufficient time to form a pasteurized retentate.
- 26. (Withdrawn) The method of claim 21 wherein drying the pasteurized retentate comprises drying a pasteurized retentate having a pH of about 7.2 to 7.5.
- 27. (Withdrawn) The method of claim 21 wherein the protein-enriched retentate comprises at least about 85 wt.% (dsb) protein.

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28. (Withdrawn) The method of claim 21 wherein the protein-enriched retentate comprises at least about 90 wt.% (dsb) protein.

- 29. (Withdrawn) The method of claim 21 comprising passing the extract through the filtration system under a transmembrane pressure of no more than 50 psig.
- 30. (Withdrawn) The method of claim 21 comprising passing the extract through the filtration system at 50°C to 65°C.
- 31. (Withdrawn) The method of claim 21 wherein extracting the oilseed material comprises contacting the oilseed material with an the aqueous alkaline solution having a pH of about 6.5 to 10.0.
- 32. (Withdrawn) The method of claim 21 wherein the aqueous alkaline solution has a pH of about 7.0 to 8.5.
- 33. (Withdrawn) The method of claim 21 wherein the microporous membrane is an ultrafiltration membrane having an MWCO of about 25,000 to 500,000.
- 34. (Withdrawn) The method of claim 21 wherein the extraction operation is a continuous process with an apparent contact time of no more than 20 minutes.
- 35. (Withdrawn) The method of claim 21 wherein the oilseed material comprises oilseed material derived from defatted soybean.
- 36. (Withdrawn) The method of claim 35 wherein the oilseed material comprises soybean white flake.

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37. (Withdrawn) A method for producing a modified oilseed material comprising: extracting oilseed material with an aqueous alkaline solution at 20°C to 60°C to form a

mixture of particulate matter in an extract solution;

removing at least a portion of the particulate matter from the mixture to form a clarified extract having a dissolved solids content of at least 5 wt. %;

passing the clarified extract at 200°F to 250°F through a filtration system including a microporous modified polyacrylonitrile membrane to produce a permeate and a protein-enriched retentate;

heating the protein-enriched retentate to at least 200°F at a pH of about 7.1 to 7.8 for a sufficient time to form a pasteurized retentate; and

spray drying the pasteurized retentate at a pH of about 7.1 to 7.8 to form a dried modified oilseed material having a water content of no more than about 10 wt.%.

- 38. (Withdrawn) The method of claim 37 wherein the microporous modified polyacrylonitrile membrane has an MWCO of 25,000 to 500,000 and a filtering surface with a contact angle of no more than 30 degrees.
- 39. (Withdrawn) The method of claim 37 wherein the protein-enriched retentate includes at least about 70 wt% (dsb) protein.
- 40. (Withdrawn) The method of claim 37 wherein the protein-enriched retentate includes at least about 90 wt% (dsb) protein.
- 41. (Original) A food composition comprising a modified oilseed material, wherein the modified oilseed material comprises at least 85 wt.% protein on a dry solids basis; at least about 40 wt.% of the protein has an apparent molecular weight of at least 300 kDa; and the modified oilseed material has a gel breaking strength of at least 0.50 N.
- 42. (Original) The food composition of claim 41 wherein the food composition is a processed meat composition.

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43. (Original) The food composition of claim 41 wherein the food composition is a processed meat analog.

- 44. (Original) The food composition of claim 41 wherein the food composition is a sauce, soup or dressing.
- 45. (Original) A modified oilseed material comprising at least about 90 wt.% (dsb) protein; wherein the modified oilseed material has an MW₅₀ of at least about 200 kDa; the modified oilseed material has a gel breaking strength of at least 0.50 N; the modified oilseed material has an NSI of at least 80; and the modified oilseed material has an ESI of no more that about 60 mm.
- 46. (Original) The modified oilseed material of Claim 45 wherein the water content of the modified oilseed material is no more than about 10 wt.%; and the modified oilseed material has an average particle size of no more than about 200 microns.
- 47. (Original) The modified oilseed material of Claim 46 wherein the modified oilseed material has an average particle size of about 50 to 150 microns.